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Holiday homework

Student Name: _____

Topic: workplace hearing protection

Teacher: _____

Due date: Week 1 Term 3 2017

Task

You are required to investigate on the topic of 'workplace hearing protection' and present your findings in a form of a **hand written or word typed report**. Your report must not be more than 2 – 3 pages long. You can use the questions written below as your headings and/or subheadings. You are free to use your textbook, online resources and any other relevant resources that may assist you in completing this task. However you must use original language and NO copy and paste directly off the net.



Learning outcome/s

- Physical Sciences Human endeavour – use and influence of science

1. Introduction – explain what is workplace hearing protection? What is the purpose and why protection is required. List **three** workplaces where employees can be subjected to loud sound.
2. Name a device that is used to measure loudness. What is the unit of loudness? Describe the relationship between the amplitude of sound to loudness. What is the safe intensity range of sound?
3. Describe the effect that repeated and prolonged exposure to noise above 85 dB has on a person's ears. List **three** ways an employer could act to reduce the noise levels around machinery.
4. Portable music devices (iphones etc.) can produce sounds above 105 db. Us this information to propose a reason why many doctors believe that 'tinnitus' will become far more common in future.

Marking key		Total: ___/21	%
Item	Max marks	Marks obtained	
Q1 – introduction	5		
Q2 –	4		
Q3 –	5		
Q4 –	2		
Use of pictures/diagrams of decibel scale	1		
Overall presentation	3		
Use of original language – no copy and paste	1		

Teacher comments: